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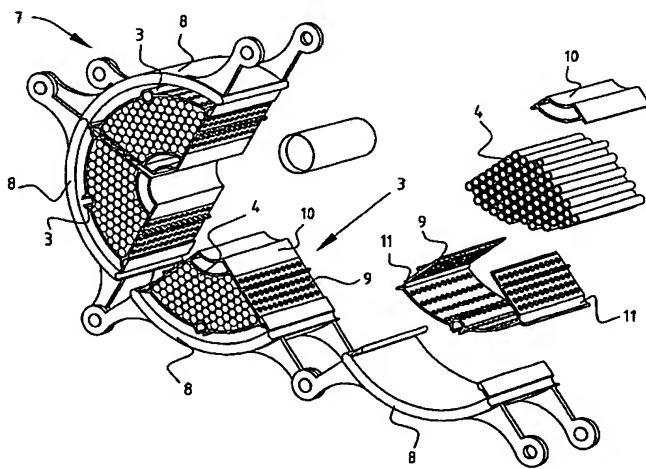
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(57) Abstract: The invention relates to a filter module (1) comprising: - a housing (2) with a first open end and a second open end; - membrane holders (3) which are arranged in the housing (2) for the purpose of containing membranes (4) which extend substantially between the first open end and the second open end, wherein the membrane holders (3), are arranged on the inner wall of the housing (2). The invention further relates to a method for assembling a filter module, which method comprises the steps of: - providing an assembling device (7) which comprises a number of elongate basic elements (8) hingedly connected to each other in longitudinal direction; - providing membrane holders (3); - filling the membrane holders (3) with membranes (4); - arranging the filled membrane holders (3) slidably on the basic elements (8); - folding together the arranged membrane holders (3); and - sliding the filled membrane holders (3) from the basic elements (8) into the filter housing (2).